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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,788	10/30/2003	Shufeng Han	16569-US	8112
30689 7590 02/20/2007 DEERE & COMPANY ONE JOHN DEERE PLACE			EXAMINER	
			HUGHES, DEANDRA M	
MOLINE, IL 61265			ART UNIT	PAPER NUMBER
			3663	3663
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	NTHS	02/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary		Application No.	. Applicant(s)				
		10/696,788	HAN ET AL.				
		Examiner	Art Unit				
		Deandra M. Hughes	3663				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHO WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is is not of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period or re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D. (35 U.S.C. § 133).				
Status							
2a)⊠	Responsive to communication(s) filed on 11 Ja This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	s action is non-final. nce except for formal matters, pro					
Dispositi	on of Claims						
5) ☐ 6) ☒ 7) ☐ 8) ☐ Applicati 9) ☐ 10) ☒	Claim(s) 21-40 is/are pending in the application 4a) Of the above claim(s) 31-40 is/are withdraw Claim(s) is/are allowed. Claim(s) 21-30 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o on Papers The specification is objected to by the Examine The drawing(s) filed on 30 October 2003 is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is	vn from consideration. or election requirement. er. : a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority u	nder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) 🔲 Notice 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

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DETAILED ACTION

Response to Amendment

1. The amendment filed 1/11/07 has been entered.

Claim Rejections - 35 USC § 102

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 21-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Sahm (US 5,404,661 published Apr. 11, 1995).

With regard to claim 21, Sahm discloses a method of guiding a vehicle, the method comprising:

- establishing elevation data and corresponding location data for a work area (fig. 4; col. 1, line 68);
- determining location data, including a particular location of a vehicle, within the work area (fig. 6; col. 4, lines 35-40);
- estimating at least one of roll data and pitch data corresponding to the particular location (fig. 10; col. 9, lines 35-40);
- guiding the vehicle based upon at least one of the estimated roll data and the pitch data (col. 9, lines 10-15).

With regard to claims 22, 24, and 26-30, Sahm discloses steering with roll data comprising a roll angle and wherein the pitch data comprising a pitch angle (slope is an angle; col. 10, lines 5-20; cols. 11-12).

With regard to claim 23, figure 15b discloses a group of cells.

With regard to claim 25, the Examiner considers each path segment disclosed in figure 16a to be substantially linear.

Response to Arguments

4. Applicant's arguments with respect to claims 21-30 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deandra M. Hughes whose telephone number is 571-272-6982. The examiner can normally be reached on M-F, 8:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Deandra M Hughes
Primary Examiner
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